STN Search

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PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * * Welcome to STN International * * * * * * * * * *

NEWS 1		Web Page for STN Seminar Schedule - N. America
NEWS 2	DEC 01	ChemPort single article sales feature unavailable
NEWS 3	APR 03	CAS coverage of exemplified prophetic substances enhanced
NEWS 4	APR 07	STN is raising the limits on saved answers
NEWS 5	APR 24	CA/CAplus now has more comprehensive patent assignee information
NEWS 6	APR 26	USPATFULL and USPAT2 enhanced with patent assignment/reassignment information
NEWS 7	APR 28	CAS patent authority coverage expanded
NEWS 8	APR 28	ENCOMPLIT/ENCOMPLIT2 search fields enhanced
NEWS 9	APR 28	Limits doubled for structure searching in CAS REGISTRY
NEWS 10	MAY 08	STN Express, Version 8.4, now available
NEWS 11	MAY 11	STN on the Web enhanced
NEWS 12	MAY 11	BEILSTEIN substance information now available on STN Easy
NEWS 13	MAY 14	DGENE, PCTGEN and USGENE enhanced with increased limits for exact sequence match searches and introduction of free HIT display format
NEWS 14	MAY 15	INPADOCDB and INPAFAMDB enhanced with Chinese legal status data
NEWS 15	MAY 28	CAS databases on STN enhanced with NANO super role in records back to 1992
NEWS 16	JUN 01	CAS REGISTRY Source of Registration (SR) searching enhanced on STN
NEWS 17	JUN 26	NUTRACEUT and PHARMAML no longer updated
NEWS 18	JUN 29	IMSCOPROFILE now reloaded monthly
NEWS 19	JUN 29	EPFULL adds Simultaneous Left and Right Truncation (SLART) to AB, MCLM, and TI fields
NEWS 20	JUL 09	PATDPAFULL adds Simultaneous Left and Right Truncation (SLART) to AB, CLM, MCLM, and TI fields
NEWS 21	JUL 14	USGENE enhances coverage of patent sequence location (PSL) data
NEWS 22	JUL 14	CA/CAplus to be enhanced with new citing references features
NEWS 23	JUL 16	GBFULL adds patent backfile data to 1855
NEWS 24	JUL 21	USGENE adds bibliographic and sequence information

NEWS EXPRESS MAY 26 09 CURRENT WINDOWS VERSION IS V8.4,

Updated Search

STN Search

AND CURRENT DISCOVER FILE IS DATED 06 APRIL 2009.

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FILE 'HOME' ENTERED AT 20:50:36 ON 22 JUL 2009

=> file reg
COST IN U.S. DOLLARS SINCE FILE ENTRY TOTAL SESSION
FULL ESTIMATED COST 0.22 0.22

FILE 'REGISTRY' ENTERED AT 20:50:45 ON 22 JUL 2009
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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 21 JUL 2009 HIGHEST RN 1166462-88-9
DICTIONARY FILE UPDATES: 21 JUL 2009 HIGHEST RN 1166462-88-9

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REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

=>
Uploading C:\Documents and Settings\brobinson1\My Documents\test2009.str

L1 STRUCTURE UPLOADED

=> s l1
SAMPLE SEARCH INITIATED 20:56:18 FILE 'REGISTRY'

Updated Search

STN Search

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SAMPLE SCREEN SEARCH COMPLETED -    57842 TO ITERATE

  3.5% PROCESSED     2000 ITERATIONS                                0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE   **COMPLETE**
                        BATCH    **COMPLETE**
PROJECTED ITERATIONS:      1142486 TO  1171194
PROJECTED ANSWERS:               0 TO        0

L2            0 SEA SSS SAM L1

=> s l1 full
THE ESTIMATED SEARCH COST FOR FILE 'REGISTRY' IS 185.40 U.S. DOLLARS
DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N or END:y
FULL SEARCH INITIATED 20:56:23 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -  1156455 TO ITERATE

 95.6% PROCESSED  1105212 ITERATIONS                              31 ANSWERS

100.0% PROCESSED  1156455 ITERATIONS                              31 ANSWERS
SEARCH TIME: 00.00.26

L3           31 SEA SSS FUL L1

=>

=> file hcaplus
COST IN U.S. DOLLARS                            SINCE FILE      TOTAL
                                                   ENTRY     SESSION
FULL ESTIMATED COST                                190.68     190.90

FILE 'HCAPLUS' ENTERED AT 20:57:07 ON 22 JUL 2009
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PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
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FILE COVERS 1907 - 22 Jul 2009  VOL 151 ISS 4
FILE LAST UPDATED: 21 Jul 2009  (20090721/ED)
REVISED CLASS FIELDS (/NCL) LAST RELOADED:  Jun 2009
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE:  Jun 2009

HCAplus now includes complete International Patent Classification (IPC)
reclassification data for the second quarter of 2009.
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Updated Search

STN Search

CAS Information Use Policies apply and are available at:

http://www.cas.org/legal/infopolicy.html

This file contains CAS Registry Numbers for easy and accurate substance identification.

The ALL, BIB, MAX, and STD display formats in the CA/CAplus family of databases will soon be updated to include new citing references information. This enhancement may impact record import into database management software. For additional information, refer to NEWS 22.

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=> s l3
L4           4 L3

=> d l4, ibib abs fhitstr, 1-4
THE ESTIMATED COST FOR THIS REQUEST IS 22.56 U.S. DOLLARS
DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N:y

L4   ANSWER 1 OF 4  HCAPLUS  COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER:         2007:1090703  HCAPLUS
DOCUMENT NUMBER:          147:385718
TITLE:                    Preparation of phenol amines as β2-adrenergic
                          agonists and muscarinic antagonists for disease
                          treatment
INVENTOR(S):              James, Kim; Jones, Lyn Howard; Price, David Anthony
PATENT ASSIGNEE(S):       Pfizer Limited, UK
SOURCE:                   PCT Int. Appl., 98 pp.
                          CODEN: PIXXD2
DOCUMENT TYPE:            Patent
LANGUAGE:                 English
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:

     PATENT NO.          KIND   DATE        APPLICATION NO.        DATE
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     WO 2007107828        A2    20070927    WO 2007-IB619          20070307
     WO 2007107828        A3    20071206
         W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
             CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
             GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN,
             KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, MG, MK, MN,
             MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS,
             RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ,
             UA, UG, US, UZ, VC, VN, ZA, ZM, ZW
         RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,
             IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, BF,
             BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW,
             GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ,
             BY, KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA
     AU 2007228511        A1    20070927    AU 2007-228511         20070307
     CA 2643097           A1    20070927    CA 2007-2643097        20070307
     EP 1999107           A2    20081210    EP 2007-733968         20070307
         R:  AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,
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Updated Search

IS, IT, LI, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, AL, BA, HR, MK, RS

NL	2000537	A1	20070924	NL	2007-2000537	20070314
NL	2000537	C2	20080122			
US	20070265303	A1	20071115	US	2007-725335	20070319
IN	2008DN07287	A	20081003	IN	2008-DN7287	20080827
KR	2008094957	A	20081027	KR	2008-722802	20080918
NO	2008004005	A	20080919	NO	2008-4005	20080919
MX	2008011963	A	20081001	MX	2008-11963	20080919
CN	101405260	A	20090408	CN	2007-80010148	20080922

PRIORITY APPLN. INFO.:	US	2006-784519P	P 20060320
	US	2006-803745P	P 20060602
	WO	2007-IB619	W 20070307

OTHER SOURCE(S): CASREACT 147:385718; MARPAT 147:385718

GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

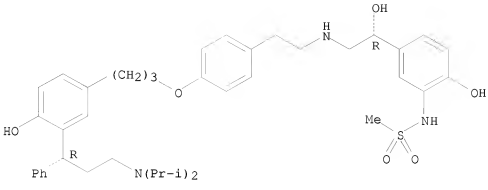
AB The invention relates to compds. of formula I (wherein A = substituted phenol or hydroxyquinolinone; B = (un)substituted C6-C12 alkylene, alkoxyphenyl, etc.) and to processes for the preparation of, intermediates used in the preparation of, compns. containing and the uses of, such derivs. The compds. according to the present invention are β2 adrenergic receptor agonists and muscarinic receptor antagonists useful in numerous diseases, disorders and conditions, in particular inflammatory, allergic and respiratory diseases, disorders and conditions. Example compound II was prepared in 5 steps from an initial reaction to prepare di-tert-Bu (9-bromononyl)imidodicarbonate, which was subsequently reacted with 4-(benzyloxy)-3-[(1R)-3-(diisopropylamino)-1-phenylpropyl]benzaldehyde. In functional assays to measure muscarinic M3 receptor antagonist activity and β2 agonist activity,II had a K1 of 3.4 nM and an EC50 of 0.88 nM, resp.

IT 950679-71-7P, N-[5-[(1R)-2-[[2-[4-[3-[3-[(1R)-3-(Diisopropylamino)-1-phenylpropyl]-4-hydroxyphenyl]propoxy]phenyl]ethyl]amino]-1-hydroxyethyl]-2-hydroxyphenyl]methanesulfonamide
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(drug candidate; preparation of phenol amines as β2-adrenergic agonists and muscarinic antagonists for disease treatment)

RN 950679-71-7 HCAPLUS

CN Methanesulfonamide, N-[5-[(1R)-2-[[2-[4-[3-[3-[(1R)-3-[bis(1-methylethyl)amino]-1-phenylpropyl]-4-hydroxyphenyl]propoxy]phenyl]ethyl]amino]-1-hydroxyethyl]-2-hydroxyphenyl]- (CA INDEX NAME)

Absolute stereochemistry.



L4 ANSWER 2 OF 4 HCAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2005:395260 HCAPLUS
DOCUMENT NUMBER: 142:447014
TITLE: Preparation of substituted phenoxy aryl amides as β2-adrenoceptor agonists for the treatment of COPD
INVENTOR(S): Box, Philip Charles; Coe, Diane Mary; Hobbs, Heather
PATENT ASSIGNEE(S): Glaxo Group Limited, UK
SOURCE: PCT Int. Appl., 56 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005040103	A1	20050506	WO 2004-EP11952	20041020
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1675823	A1	20060705	EP 2004-790747	20041020
EP 1675823	B1	20080723		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, HR				
JP 2007509103	T	20070412	JP 2006-536054	20041020
AT 402141	T	20080815	AT 2004-790747	20041020
ES 2309571	T3	20081216	ES 2004-790747	20041020
US 20090105309	A1	20090423	US 2006-595432	20061006
PRIORITY APPLN. INFO.:			GB 2003-24654 A	20031022
			WO 2004-EP11952 W	20041020

OTHER SOURCE(S): CASREACT 142:447014; MARPAT 142:447014

STN Search

GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

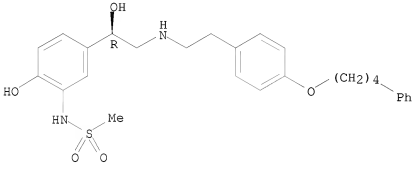
AB Title compds. I [n = 1-3; m = 2-4; p = 0-3; Z = O, CH2; R1 = H, alkyl, OH, alkoxy, etc.; X = alkyl, alkenylene; R2 = H, OH, alkyl, alkoxy, etc.; R3 = H, OH, alkyl, alkoxy, etc.; R4-5 = H, alkyl, etc.; R6-7 = H, alkyl] are prepared For instance, II is prepared in 8 steps from N-[5-(bromoacetyl)-2-hydroxyphenyl]methanesulfonamide, (S)-phenylglycinol, 3-(bromomethyl)benzonitrile and 4-(2-hydroxyethyl)phenol. Representative compds. have a pEC50 > 6 for the β2-adrenoceptor. I are useful in the treatment of asthma or chronic obstructive pulmonary disease (COPD).

IT 851091-72-0P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of substituted phenoxy aryl amides as β2-adrenoceptor agonists for treatment of COPD)

RN 851091-72-0 HCAPLUS

CN Methanesulfonamide, N-[2-hydroxy-5-[(1R)-1-hydroxy-2-[[2-[4-(4-phenylbutoxy)phenyl]ethyl]amino]ethyl]phenyl]- (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 3 OF 4 HCAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2004:689254 HCAPLUS
DOCUMENT NUMBER: 141:271005
TITLE: Long-chain formoterol analogues: an investigation into the effect of increasing amino-substituent chain length on the β2-adrenoceptor activity
AUTHOR(S): Alikhani, Vahid; Beer, David; Bentley, David; Bruce, Ian; Cuenoud, Bernard M.; Fairhurst, Robin A.; Gedeck, Peter; Haberthuer, Sandra; Hayden, Claire; Janus, Diana; Jordan, Lynne; Lewis, Christine; Smithies, Kirsty; Wissler, Elke
CORPORATE SOURCE: Novartis Horsham Research Centre, West Sussex, RH12

Updated Search

5AB, UK
SOURCE: Bioorganic & Medicinal Chemistry Letters (2004), 14(18), 4705-4710
CODEN: BMCLE8; ISSN: 0960-894X
PUBLISHER: Elsevier B.V.
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 141:271005

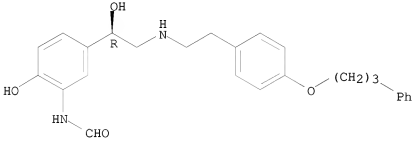
AB The synthesis of a series of long-chain formoterol analogs in which the terminal ether residue of the β-phenethylamino-substituent has been extended beyond the Me ether residue present in the parent compound are described. Evaluation of these analogs as β2-adrenoceptor agonists was used to provide an insight into the factors controlling the magnitude and duration of receptor activation.

IT 757241-14-8P
RL: PAC (Pharmacological activity); PRP (Properties); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(effect of increasing amino-substituent chain length on β2-adrenoceptor activity of long-chain formoterol analogs)

RN 757241-14-8 HCAPLUS

CN Formamide, N-[2-hydroxy-5-[(1R)-1-hydroxy-2-[[2-[4-(3-phenylpropoxy)phenyl]ethyl]amino]ethyl]phenyl]- (CA INDEX NAME)

Absolute stereochemistry.



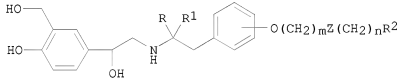
REFERENCE COUNT: 29 THERE ARE 29 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 4 OF 4 HCAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2003:875242 HCAPLUS
DOCUMENT NUMBER: 139:364681
TITLE: Preparation of phenethanolamine derivatives as β2-adrenoceptor agonists
INVENTOR(S): Box, Philip Charles; Coe, Diane Mary; Looker, Brian Edgar; Procopiou, Panayiotis Alexandrou
PATENT ASSIGNEE(S): Glaxo Group Limited, UK
SOURCE: PCT Int. Appl., 99 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003091204	A1	20031106	WO 2003-EP4367	20030424
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2003222841	A1	20031110	AU 2003-222841	20030424
EP 1497261	A1	20050119	EP 2003-718792	20030424
EP 1497261	B1	20071219		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
JP 2005523920	T	20050811	JP 2003-587769	20030424
AT 381535	T	20080115	AT 2003-718792	20030424
ES 2298511	T3	20080516	ES 2003-718792	20030424
US 20050256201	A1	20051117	US 2005-512232	20050706
US 7271197	B2	20070918		
PRIORITY APPLN. INFO.:			GB 2002-9482	A 20020425
			GB 2002-25027	A 20021028
			WO 2003-EP4367	W 20030424

OTHER SOURCE(S): MARPAT 139:364681

GI



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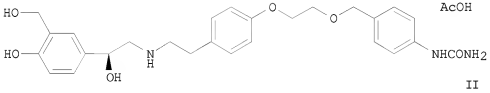


II

AB Phenylethanolamines I [R, R1 = H, alkyl; R2 = (un)substituted Ph; Z = O, CH2; m = 2-4; n = 1-4] were prepared for use as β2 adrenoceptor agonists in the prophylaxis and treatment of respiratory diseases (no data). Thus, the phenylethanolamine II was prepared from 4-PhCH2OCH2CH2OC6H4CH2CH2OH in a multi-step synthesis.

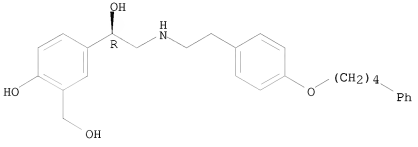
IT 620599-67-9P

RL: SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of phenethanolamine derivs. as β2-adrenoceptor agonists)

RN 620599-67-9 HCAPLUS

CN 1,3-Benzenedimethanol, 4-hydroxy-α1-[[[2-[4-(4-phenylbutoxy)phenyl]ethyl]amino]methyl]-, (α1R)- (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT